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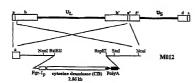
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(54) Title: HERPES SIMPLEX VIRUS EXPRESSING FOREIGN GENES AND METHOD FOR TREATING CANCERS THEREWITH





(57) Abstract: An anti-cancer pharmaceutical composition includes a herpes simplex virus (HSV) vector into which a nucleic acid sequence encoding for an anti-cancer agent selected from interleukin-12, GM-CSF, and CD has been inserted. A method of treatment of a patient suffering from cancer includes administering to the patient the anti-tumor pharmaceutical composition including an HSV vector having a nucleic acid sequence encoding for an amti-cancer agent selected from interleukin-12, GM-CSF, and CD inserted therein.

Both copies of the y₁34.5 gene (located within the inverted repeat sequences a, a) have been replaced with the CD insert. The background is ASV-1 "F" atrain. The CD insert was obtained from the vector pCD2, obtained from the American Type Culture Collection (ATCC), catalog number 40999.

References for CD insert:

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